

Guardian Environmental Services,
Holy Trinity Cemetery Site Site ID#: A23M
5401 Robert Avenue,
Lewiston, New York 14092- 2125

Contract #: EP-S2-15-01

Task Order No. 020

STATEMENT OF WORK

BACKGROUND:

In a 1978 U.S. Department of Energy (U.S. DOE) aerial radiological survey, more than 15 properties throughout the region were identified as having elevated levels of radiation above background. It is believed that, in the early 1960s, slag from the local Union Carbide facility was used as fill on the properties prior to paving. The slag contained sufficient quantities of uranium and thorium to be classified as a licensable radioactive source material. Based on the original survey and subsequent investigations, it is believed that the radioactive Union Carbide slag was deposited at the Holy Trinity Cemetery property.

The Holy Trinity Cemetery site is bordered: to the north and east by Interstate 190; to the south by another cemetery; and to the west by Robert Avenue and a residential area. The site consists of two areas of radionuclide contamination located at a cemetery of approximately 31.5 acres in Lewiston, New York. The first area of contamination (Area 1) is about 2.8 acres (119,137 square feet). The area of observed contamination is located in the northernmost portion of the property and north of the only building at the site. This area is on a relatively flat and slightly elevated grassy field, as well as on existing roadbeds. The building south of the first contaminated area is utilized as a residence, a chapel and cemetery maintenance facility. The second area of contamination (Area 2) is a roadway located on the eastside of the property. This area is about 0.4 acres (15,845 square feet) in size.

Analytical results obtained from New York State, USEPA Pre-Remedial Program and USEPA Removal Program assessments indicate that material comprising the earthen layer of the majority of this site property is contaminated with radionuclides significantly higher than at background conditions (i.e., greater than 2x background concentrations).

The purpose of this Task Order is to eliminate the threat of:

- Direct contact with the radioactive material via inhalation.
- Off-Site migration of radioactive material via clothing, footwear, vehicle traffic.
- Exposure to elevated gamma radiation located throughout the site.

TASKS TO BE PERFORMED:

The contractor shall furnish all necessary personnel, equipment and materials to perform the following:

1. ERRS Project Manager (PM) and/or ERRS Response Manager (RM) to immediately contact the OSC to discuss the SOW, logistics, timelines, and establish an initial work assignment (i.e. daily/weekly work order) including tasking and hours for ERRS personnel. The OSC designated for this Task Order is Eric Daly. Mr. Daly can be reached at 908- 420- 1707.

2. Provide a Site Specific HASP for the below listed site after the site walk to cover work specified in this task order, and identify any site specific health and safety protections and or training required for workers to execute this statement of work.
3. Provide a Utility mark out for work areas as shown in the site map
4. Arrange and provide for the clearing and removal of above ground vegetation to allow for fencing installations around work areas and allow future access for assessment activities of work areas.
5. Provide materials and installation of 6 foot chain link fencing with 1-10 foot gate for access, all fencing to have 3 strands of non-barbed wire on top to restrict access.
6. Provide assistance to EPA as directed by the OSC, to assist in sample collection.
7. Containerize spent PPE and materials utilized in site assessment work and securely store these materials onsite.
8. Coordinate with OSC to develop a plan for the excavation and T&D of contaminated material.
9. Conduct all operations in accordance with applicable Federal and State safety standards.
10. Additional technical direction will be provided by the OSC through daily work orders.

EPA considers some of the planned activities in this SOW to be subject to Construction Wage Rate Requirements (formerly known as the Davis Bacon Act) wages.

Site Name: Holy Trinity Cemetery
State: NY
Task Order #: 0020
Guardian Environmental Services CONTRACT EP-S2-15-01 Base Period Year 1

PERSONNEL CLIN	RCMS #	ITEM DESCRIPTION	QUANTITY UNIT	GUARDIAN UNIT PRICE	GUARDIAN AMOUNT
1001A	1-05	Response Manager	120 Hours	\$79.67	\$9,560.40
1001B	1-05	Response Manager	0 Hours	\$57.51	\$0.00
1002A	1-10	Foreman	0 Hours	\$53.10	\$0.00
1002B	1-10	Foreman	0 Hours	\$52.62	\$0.00
1003A	2-05	Equipment Operator	80 Hours	\$57.91	\$4,632.80
1003B	2-05	Equipment Operator	0 Hours	\$63.97	\$0.00
1004A	2-13	Field Cost Admin.	120 Hours	\$39.30	\$4,716.00
1004B	2-13	Field Cost Admin.	0 Hours	\$45.57	\$0.00
1005A	2-03	Clean-up Technician	160 Hours	\$37.00	\$5,920.00
1005B	2-03	Clean-up Technician	0 Hours	\$41.00	\$0.00
1006A	2-20	Truck Driver	0 Hours	\$47.93	\$0.00
1006B	2-20	Truck Driver	0 Hours	\$52.94	\$0.00
1007A	3-07	Chemical Technician	0 Hours	\$51.74	\$0.00
1007B	3-07	Chemical Technician	0 Hours	\$57.14	\$0.00
1008A	4-01	Chemist	0 Hours	\$62.37	\$0.00
1008B	4-01	Chemist	0 Hours	\$45.02	\$0.00
1009	4-10	Engineer/Chemical	0 Hours	\$53.57	\$0.00
1010	4-10	Engineer/Civil	0 Hours	\$53.57	\$0.00
1011A	4-15	Industrial Hygienist/Safety	10 Hours	\$59.85	\$598.50
1011B	4-15	Industrial Hygienist/Safety	0 Hours	\$43.20	\$0.00
1012A	4-30	T&D Coordinator	0 Hours	\$54.58	\$0.00
1012B	4-30	T&D Coordinator	0 Hours	\$39.40	\$0.00

PERSONNEL TOTAL

\$25,427.70

EQUIPMENT CLIN

1025	01-140-010	Car-Passenger	0 Days	\$20.00	\$0.00
1026	01-230-050	Truck-Pickup 1/2 Ton	21 Days	\$30.00	\$630.00
1027	01-235-075	Truck-Pickup 4 WD 3/4 Ton	0 Days	\$30.00	\$0.00
1028	01-340-015	Van-Passenger	21 Days	\$45.00	\$945.00
1029	01-290-040	SUV 4 WD	0 Days	\$45.00	\$0.00
1030	02-160-001	Trailer-Storage/Box <10 ft	0 Days	\$40.00	\$0.00
1031	02-130-001	Trailer-ER-HAZMAT <18 ft	0 Days	\$40.00	\$0.00
1032	01-280-012	Truck-Stake/Flatbed	0 Days	\$55.00	\$0.00
1033	03-250-060	Skid Steer-Loaders 6K<8K	0 Days	\$125.00	\$0.00
1034	05-001-021	Meter/Monitor-Combo PID/FID	0 Days	\$1.00	\$0.00
1035	05-015-010	Radio-Handheld	84 Days	\$1.00	\$84.00
1036	07-300-005	Generator-5<10 KW	0 Days	\$35.00	\$0.00
1037	07-300-010	Generator-10<15 KW	21 Days	\$65.00	\$1,365.00
1038	07-630-025	Water Washer Pressure	0 Days	\$30.00	\$0.00
1039	08-220-001	Pump-Submersible-1.5 in	0 Days	\$25.00	\$0.00
1040	08-240-002	Pump-Trash/Sludge-2 in	0 Days	\$8.50	\$0.00

Equipment Total

\$3,024.00

ODC Charges

\$87,628.72

G&A Charge on ODCs

\$4,819.58

ODC Total

\$92,448.30

SUM OF ALL COSTS

\$120,900.00